Index of Subjects

Volume 125, 1986

A23187
and isolation of microtubule coils from platelets, 319
Actin
in Ito cells in focal hepatic injury, 611
Adenosine diphosphate
and isolation of microtubule coils from platelets, 319
Adenosine triphosphate
and contraction band formation in heart, 55
Adrenal gland
catecholamine localization in, 45
Adrenoleukodystrophy
neonatal, 524
Aging
and amyloid in choroid plexus, 124
and bone changes in mice, 276
and feline diabetes mellitus, 416
AIDS
and HTLV-III expression in lymph nodes, 436
Amyloid
in aging choroid plexus, 124
islet deposits in feline diabetes, 416
P component in hereditary nephritis, 460
Animal models of human disease
adenocarcinoma of rete testis, 625
diabetes in cats, 416
muscular dystrophy, 218
Appendiceal mucosa
Lewis antigens in, 515
Aproliferin
and terminal differentiation, 546
Atherosclerosis
adhesion and proliferation of cells in, 152
cellular composition of plaques in, 191
formation of fatty streak lesions in, 450
macrophages in, 284
number of intimal cells in, 402

Bacteria
products stimulating mucin secretion, 501
Basement membrane
glomerular, in hereditary nephritis, 460, 536
pulmonary, in fibrosis, 258
Bladder
Lewis antigens in mucosa, 515
Bone
giant cell tumor of, 252
murine models of senile osteoporosis, 276
Breast cancer
estrogen receptor immunocytochemistry in, 443
Bronchioles
taurine protection in nitrogen dioxide injury, 585
Bronchitis
action of bacterial products in, 501
Bronchoalveolar lavage
cell types in pulmonary granulomas, 16
Burns
and complement receptor type 3 expression on neutrophils, 563

Capillaries
density in myocardial infarction regions, 476
in pulmonary fibrosis, 97
Catalase
assay in peroxisomal deficiency, 524
Catecholamines
in neuroendocrine cells, 45
Cerebrohepatorenal syndrome
of Zellweger, 524
Cholesterol
and fatty streak lesion formation, 450
and lipid metabolism in xanthomatous skin, 339
and macrophage function, 284
Choroid plexus
amyloid in, 124
Chromogranin
in neuroendocrine cells, 45
Chromosome studies
of tumors, 8
Collagen
hepatic, in focal injury, 611
in mesangial cell hillocks in cultures, 130
Complement
and adherence of PMNs to surfaces, 369
receptor type 3 expression on neutrophils after burns, 563
Contraction bands
formation in hearts, 55
Coxsackievirus
myocarditis from, cyclosporin A in, 244
variants affecting cardiac tissue, 578
Cyclosporin A
in coxsackievirus myocarditis, 244
Cystic fibrosis
action of bacterial products in, 501
Cytogenetics
of tumors, 8
Cytokeratin
in glomeruli, 465

Desmin
in glomeruli, 465
in Ito cells in focal hepatic injury, 611
Diabetes mellitus
animal model of, 416
and pancreactic islet transplants in rats, 107
Diethylstilbestrol
and rete testis lesions in mice, 625
Dopamine β-hydroxylase
in neuroendocrine cells, 45

Endometrium
HLA-DR induction in epithelial cells, 90
Endothelial cells
in atherosclerotic plaques, 191
glomerular, and mesangial cell growth regulation, 493
in hypercholesterolemia, 450
proliferation in atherosclerosis, 152

Eosinophils
degranulation in lymphomas, 501
Epinephrine
in neuroendocrine cells, 45
Epithelial cells
bronchiolar, taurine affecting, 585
of choroid plexus, amyloid in, 124
endometrial, HLA-DR induction in, 90
glomerular, podocalyxin in, 309
Estrogen receptors
immunocytochemistry in breast cancer aspirates, 443

Fatty Streaks
formation in aortic intima, 450
Fibroblasts
in atherosclerotic plaques, 191
Fibronectin
in glomeruli, 465
hepatic, in focal injury, 611
homologous, immunization with, 182
interaction with pulmonary macrophages, 349
in mesangial cell hillocks in cultures, 130

Genetic factors
in cancer, 8
Glial fibrillary acidic protein
expression in twitcher mice, 227
Glycoconjugates
distribution in glomeruli, 601
Gossypol
action on transformed Sertoli cell mitochondria, 484
Granulomas
in rat lungs, 16

Heart
border zone in myocardial infarction, 476
contraction band formation in, 55
coxsackievirus myocarditis, 244
coxsackievirus variants affecting cardiac tissue, 578
Heparin
and mesangial cell growth regulation in glomerulus, 493
Hepatitis B
recurrence in liver allograft recipients, 161
Herpes encephalitis
immune response in, 332
Histiocytic malignancies
and interleukin-1 in neoplastic cells, 221
Histiocytoma
malignant fibrous, and soft-tissue tumor progression, 113
HLA-DR antigen
induction in endometrial epithelium, 90

Immune complexes
in fibronectin-treated mouse sera, 182
renal tubular, in mice, 555
Immune deposits
electron-dense, in Heymann's nephritis, 1
Immune response
and autoimmunity to heart antigens, 578
in coxsackievirus myocarditis, 244
in herpes encephalitis, 332
Immunosecretions
in kidneys, 571
Immunostaining
new fixation method for, 431
γ-Interferon
and HLA-DR induction in endometrial epithelium, 90
Interleukin-1
in neoplastic cells from histiocytic malignancies, 221
Intermediate filaments
distribution in glomeruli, 465

Intestines
Shiga toxins affecting, 69
Iron deficiency
and myelination in rat pups, 620
Ito cells
in focal hepatic injury, 611

Kidney
amyloid P in hereditary nephritis, 460
electron-dense immune deposits in Heymann's nephritis, 1
glomerular basement membrane in aminonucleoside nephrosis, 393
glomeruli in fibronectin-immunized mice, 182
glycoconjugate distribution in glomeruli, 601
hereditary glomerulopathy in dogs, 536
immunosecretions in, 571
intermediate filament proteins in a glomeruli, 465
mesangial cells
growth regulation in glomerulus, 493
hillocks in cultures, 130
podocalyxin in glomerular epithelium, 309
tubular immune complexes in mice, 555

Laminin
in fibrotic lungs, 258
hepatic, in focal injury, 611
in mesangial cell hillocks in cultures, 130
Lentivirus
and pneumonia in sheep, 173
Leukemia
chromosome studies of, 8
Leukocytes
adherence of PMNs to surfaces, 369
Leukodystrophy
globoid cell, murine, 227
neonatal adrenoleukodystrophy, 524
Lewis antigens
urothelial, detection of, 515
Lipid
metabolism in xanthomatous skin, 339
Liver
cell junctions during oval cell proliferation, 379
extracellular matrix in focal injuries, 611
portal branch ligation affecting, 300
recurrent hepatitis B in allograft recipients, 161
Lungs
fibrosis of
capillaries in, 97
laminin and basement membranes in, 258
granuloma in rats, 16
in lentivirus pneumonia in sheep, 173
macrophage response to hyperoxia, 349
obstructive disease of, and action of bacterial products, 501
taurine protection in nitrogen dioxide injury, 585
Lymph nodes
HTLV-III expression in, 436
Lymphocytes
in atherosclerotic plaques, 191
suppressor T cells and myocarditis, 578
Lymphomas
chromosome studies of, 8
eosinophil peroxidase in, D-8

Macrophages
alveolar
in hyperoxia, 349
tumor necrosis factor production in sarcoidosis, 421
in atherosclerotic plaques, 191
cholersterol-induced changes in, 284
recognition by monoclonal antibody, 141

Mesangial cells
growth regulation in glomerulus, 493
hillocks in cultures, 130
Mesenchyme
cells in wound contraction, 81
differentiation pathways, 113
Microtubule coils
isolated from platelets, 319
Mitochondria
Sertoli cell, gossypol affecting, 484
Monoclonal antibodies
to cell types in atherosclerotic lesions, 191
to complement receptor type 3, 563
to eosinophil peroxidase, 426
to estrogen receptors in breast cancer, 443
in giant cell tumors of bone, 252
in herpes encephalitis, 332
in Heymann's nephritis with electron-dense immune deposits, 1
new fixation method for immunostaining, 431
reactivity to monocyte/macrophage system, 141
to urothelial Lewis antigens, 515
Monocytes
adhesion to atherosclerotic lesions, 152
recognition by monoclonal antibody, 141
Mucin
secretion stimulated by bacterial products, 501
Muscle
cellular membrane systems in disease, 358
dystrophy of, animal model of, 218
Myelination
iron deficiency affecting, 620
Myocarditis
coxsackievirus, 244, 578
Myocytes
contraction band formation in, 55
Myofibroblasts
in wound contraction, 81
Myosin
in mesangial cell hillocks in cultures, 130

Neoplasia
adenocarcinoma of rete testis, 625
catecholamine localization in, 45
cytogenetics of, 8
eosinophil degranulation in lymphomas, 426
estrogen receptors in breast cancer, 443
giant cell tumor of bone, 252
interleukin-1 in cells from histiocytic malignancies, 221
markers in dedifferentiated sarcomas, 113
neurophysins in pituitary adenomas, 269
rhabdomyosarcoma cell line, 208
Nervous system
glial fibrillary acidic protein expression in twitcher mice, 227
immune mechanisms in herpes encephalitis, 332
iron deficiency affecting myelination, 620
Neurofibrillary tangles
and amyloid in choroid plexus, 124
Neurophysins
in corticotrophs and pituitary adenomas, 269
Neutrophils
complement receptor type 3 expression after burns, 563
Nitrogen dioxide
pulmonary injury from, and taurine protection, 585

Osteoporosis
senile, murine models of, 276
Oxidases
assays in peroxisomal deficiency, 524
Oxygen
hyperoxic lung injury, 349

Pancreas
islet sclerosis in young BB rats, 327
islet transplants in diabetic rats, 107
Parathyroid gland
in health and disease, 292
Peroxisomes
deficiency disorders, 524
Phenylethanolamine N-methyl transferase
in neuroendocrine cells, 45
Pheochromocytoma
catecholamine localization in, 45
Phorbol myristate acetate
and neutrophil adherence to surfaces, 369
Pituitary gland
neurophysins in corticotrophs and adenomas, 269
prolactin mRNA localization, 35
Plasmalogen
biosynthesis in peroxisomal deficiencies, 524
Platelets
microtubule coils isolated from, 319
Pneumonia
lentivirus lymphoid interstitial, in sheep, 173
Podocalyxin
in glomeruli, 309, 601
Prolactin
mRNA localization in pituitary, 35
Prostaglandins
effects in shistosomiasis, 28

Reed–Sternberg cells
interleukin-1 expression in, 221
Reticulin
hepatic, in focal injury, 611
Rhabdomyosarcoma
human cell line of, 208
mRNA
prolactin, localization in pituitary, 35
Rous–Whipple Award lecture, 8

Sarcoidosis
and tumor necrosis factor production by alveolar macrophages, 421
Sarcomas
dedifferentiated, markers in, 113
human rhabdomyosarcoma cell line, 208
Shistosomiasis
prostaglandins affecting, 28
Sertoli cells
gossypol affecting mitochondria of, 484
Shiga toxins
effects on intestines, 69
Shock
hypovolemic, and pancreatic islet sclerosis in young rats, 327
Skin
healing in tight skin mice, 81
lipid metabolism in xanthomas, 339

Tamm–Horsfall protein
immune responses to, 555
Taurine
antioxidant properties of, 585
Testis
adenocarcinoma of rete testis, 625
Thrombin
and isolation of microtubule coils from platelets, 319
Tyrosine hydroxylase
in neuroendocrine cells, 45

Urothelium
Lewis antigens in, 515

Uterus
HLA-DR induction in endometrial epithelial cells, 90

Vasculature
in atherosclerosis. *See* Atherosclerosis
capillaries in pulmonary fibrosis, 97
capillary density in myocardial infarction regions, 476
portal branch ligation, 300
Vimentin
in glomeruli, 465
Viruses
coxsackievirus variants affecting cardiac tissue, 578
cyclosporin A in coxsackievirus myocarditis, 244
HTLV-III expression in lymph nodes, 436
immune response in herpes encephalitis, 332
lentivirus pneumonia in sheep, 173
recurrent hepatitis B in liver allograft recipients, 161

Xanthomas
lipid metabolism in, 339

Zellweger syndrome
cerebrohepatorenal, 524

Index of Authors

Volume 125, 1986

Abramowsky CR, Swinehart GL: Secretory Immune Responses in Human Kidneys (December), 571

Adler KB, Hendley DD, Davis GS: Bacteria Associated With Obstructive Pulmonary Disease Elaborate Extracellular Products That Stimulate Mucin Secretion by Explants of Guinea Pig Airways (December), 501

Ahrenholz DH: *See* Nelson RD, Hasslen SR, Ahrenholz DH, Haus E, Solem LD, 563

Allegri L, Brianti E, Chatelet F, Manara GC, Ronco P, Verroust P: Rapid Communication: Polyvalent Antigen-Antibody Interactions Are Required for the Formation of Electron-Dense Immune Deposits in Passive Heymann's Nephritis (October), 1

Altschuld RA: *See* Vander Heide RS, Angelo JP, Altschuld RA, Ganote CE, 55

Andoh N: *See* Kimura N, Andoh N, Sasano N, Sasaki A, Mouri T, 269

Andreeva ER: *See* Orekhov AN, Andreeva ER, Krushinsky AV, Novikov ID, Tertov VV, Nestaiko GV, Khashimov KLA, Repin VS, Smirnov VN, 402

Angelo JP: *See* Vander Heide RS, Angelo JP, Altschuld RA, Ganote CE, 55

Anversa P: *See* Olivetti G, Ricci R, Beghi C, Guideri G, Anversa P, 476

Armstrong ML, Mathur SN, Sando GN, Megan MB: Lipid Metabolism in Xanthomatous Skin of Hypercholesterolemic Rabbits (November), 339

Bachwich PR, Lynch JP III, Larrick J, Spengler M, Kunkel SL: Rapid Communications: Tumor Necrosis Factor Production by Human Sarcoid Alveolar Macrophages (December), 421

Barth J: *See* Parwaresch MR, Radzun HJ, Kreipe H, Hansmann M-L, Barth J, 141

Baumal R: *See* Jansen B, Thorner P, Baumal R, Valli V, Maxie MG, Singh A, 536

Beghi C: *See* Olivetti G, Ricci R, Beghi C, Guideri G, Anversa P, 476

Bellve AR: *See* Robinson JM, Tanphaichitr N, Bellve AR, 484

Bengmark S: *See* Rozga J, Jeffsson B, Bengmark S, 300

Bennett DD: *See* Garvin AJ, Stanley WS, Bennett DD, Sullivan JL, Sens DA, 208

Bernanke DH: *See* Hembry RM, Bernanke DH, Hayashi K, Trelstrad RL, Ehrlich HP, 81

Bhan AK: *See* Sobel RA, Collins AB, Colvin RB, Bhan AK, 332

Bianco C: *See* Kradin RL, Zhu Y, Hales CA, Bianco C, Colvin RB, 349

Biberfeld G: *See* Biberfeld P, Chayt KJ, Marselle LM, Biberfeld G, Gallo RC, Harper ME, 436

Biberfeld P, Chayt KJ, Marselle LM, Biberfeld G, Gallo RC, Harper ME: Rapid Communications: HTLV-III Expression in Infected Lymph Nodes and Relevance to Pathogenesis of Lymphadenopathy (December), 436

Biemesderfer D: *See* Sterzel RB, Lovett DH, Foellmer HG, Perfetto M, Biemesderfer D, Kashgarian M, 130

Boros DL: *See* Chensue SW, Remick DG, Higashi GI, Boros DL, Kunkel SL, 28

Bowyer DE: *See* Walker LN, Reidy MA, Bowyer DE, 450

Brecher ME, Franklin WA, Simon MA: Immunohistochemical Study of Mononuclear Phagocyte Antigens in Giant Cell Tumors of Bone (November), 252

Brianti E: *See* Allegri L, Brianti E, Chatelet F, Manara GC, Ronco P, Verroust P, 1

Brooks JJ: The Significance of Double Phenotypic Patterns and Markers in Human Sarcomas: A New Model of Mesenchymal Differentiation (October), 113

Brown D, Vassalli J-D, Kunz A, Mulhauser J, Orci L: Regional Heterogeneity of Glycoconjugate Distribution in the Glomerulus Revealed by Lectin-Gold Cytochemistry and SDS-PAGE (December), 601

Bullock BC: *See* Newbold RR, Bullock BC, McLachlan JA, 625

Burnham J: *See* Demetris AJ, Jaffe R, Sheahan DG, Burnham J, Spero J, Iwatsuki S, Van Theil DH, Starz TE, 161

Burris SM: *See* White JG, Krumwiede M, Burris SM, Heagan B, 319

Cassady J: *See* Ghandur-Mnaymneh L, Cassady J, Hajianpour MA, Paz J, Reiss E, 292

Castellot JJ: *See* Rogers KA, Hoover RL, Castellot JJ, Robinson JM, Karnovsky MJ, 284

Castellot JJ Jr, Hoover RL, Karnovsky MJ: Glomerular Endothelial Cells Secrete Heparinlike Inhibitor and a Peptide Stimulator of Messangial Cell Proliferation (December), 493

Chang JC, Jagirdar J, Lesser M: Long-Term Evolution of BCG- and CFA-Induced Granulomas in Rat Lungs: Correlation of Histologic Features With Cells in Bronchoalveolar Lavage Samples (October), 16

Chatelet F: *See* Allegri L, Brianti E, Chatelet F, Manara GC, Ronco P, Verroust P, 1

Chayt KJ: *See* Biberfeld P, Chayt KJ, Marselle LM, Biberfeld G, Gallo RC, Harper ME, 436

Chensue SW, Remick DG, Higashi GI, Boros DL, Kunkel SL: Modulation of Murine Schistosomiasis by Exogenously Administered Prostaglandins (October), 28

Chiu F-C: *See* Kobayashi S, Chiu F-C, Katayama M, Sacchi RS, Suzuki K, Suzuki K, 227

Collins AB: *See* Sobel RA, Collins AB, Colvin RB, Bhan AK, 332

Collins H: *See* Keenan KP, Sharpnack DD, Collins H, Formal SB, O'Brien AD, 69

Colvin RB: *See* Kradin RL, Zhu Y, Hales CA, Bianco C, Colvin RB, 349

Colvin RB: *See* Sobel RA, Collins AB, Colvin RB, Bhan AK, 332

Croce CM: *See* Nowell PC, Croce CM, 7

Davis GS: *See* Adler KB, Hendley DD, Davis GS, 501

De Chadarevian J-P: *See* Seemayer TA, Yale J-F, De Chadarevian J-P, Grose M, Marliss EB, 327

DeMartini JC: *See* Lairmore MD, Rosadio PH, DeMartini JC, 173
Demetris AJ, Jaffe R, Sheahan DG, Burnham J, Spero J, Iwatsuki S, Van Theil DH, Starz TE: Recurrent Hepatitis B in Liver Allograft Recipients: Differentiation Between Viral Hepatitis B and Rejection (October), 161
Draye JP: *See* Vamecq J, Draye JP, Van Hoof F, Misson J-P, Evrard P, Verellen G, Eyssen HJ, Van Eldere J, Schutgens RBH, Wanders RJA, Roels F, Goldfischer SL, 524

Ehrlich HP: *See* Hembry RM, Bernanke DH, Hayashi K, Trelstrad RL, Ehrlich HP, 81
Eiermann GJ: *See* Singer II, Kawka DW, McNally SM, Eiermann GJ, Metzger JM, Peterson LB, 258
Eriksson L, Westermark P: Intracellular Neurofibrillary Tangle-like Aggregations: A Constantly Present Amyloid Alteration in the Aging Choroid Plexus (October), 124
Estrin M, Smith C, Huber S: Antigen-Specific Suppressor T Cells Prevent Cardiac Injury in Balb/c Mice Infected With a Nonmyocarditic Variant of Caxsackievirus Group B, Type 3 (December), 578
Estrin M, Smith C, Huber S: Coxsackivirus B-3 Myocarditits: T-cell Autoimmunity to Heart Antigens is Resistant to Cyclosporin-A Treatment (November), 244
Evrard P: *See* Vamecq J, Draye JP, Van Hoof F, Misson J-P, Evrard P, Verellen G, Eyssen HJ, Van Eldere J, Schutgens RBH, Wanders RJA, Roels F, Goldfischer SL, 524
Eyssen HJ: *See* Vamecq J, Draye JP, Van Hoof F, Misson J-P, Evrard P, Verellen G, Eyssen HJ, Van Eldere J, Schutgens RBH, Wanders RJA, Roels F, Goldfischer SL, 524

Farquhar MG: *See* Sawada H, Stukenbrok H, Kerjaschki D, Farquhar MG, 309
Fasth A, Hoyer JR, Seiler MW: Renal Tubular Immune Complex Formation in Mice Immunized With Tamm-Horsfall Protein (December), 555
Fausto N: *See* Spelman LH, Thompson NL, Fausto N, Miller KR, 379
Foellmer HG: *See* Sterzel RB, Lovett DH, Foellmer HG, Perfetto M, Biemesderfer D, Kashgarian M, 130
Formal SB: *See* Keenan KP, Sharpnack DD, Collins H, Formal SB, O'Brien AD, 69
Franklin WA: *See* Brecher ME, Franklin WA, Simon MA, 252
Fugger R: *See* Reiner A, Spona J, Reiner G, Schemper M, Kolb R, Kwasny W, Fugger R, Jakesz R, Holzner JH, 443

Gabbiani G: *See* Stamenkovic I, Skalli O, Gabbiani G, 465
Gallo RC: *See* Biberfeld P, Chayt KJ, Marselle LM, Biberfeld G, Gallo RC, Harper ME, 436
Ganote CE: *See* Vander Heide RS, Angelo JP, Altschuld RA, Ganote CE, 55
Garvin AJ, Stanley WS, Bennett DD, Sullivan JL, Sens DA: The *in Vitro* Growth, Heterotransplantation, and Differentiation of a Human Rhabdomyosarcoma Cell Line (October), 208
Gerber MA: *See* Tabibzadeh SS, Gerber MA, Satyaswaroop PG, 90
Ghandur-Mnaymneh L, Cassady J, Hajianpour MA, Paz J, Reiss E: The Parathyroid Gland in Health and Disease (November), 292
Goldfischer SL: *See* Vamecq J, Draye JP, Van Hoof F, Misson J-P, Evrard P, Verellen G, Eyssen HJ, Van Eldere J, Schutgens RBH, Wanders RJA, Roels F, Goldfischer SL, 524
Gopalakrishnakone P: Animal Model of Human Disease: Muscular Dystrophy: Muscular Dystrophy in White Pekin Ducks (October), 218
Gordon RE, Shaked AA, Solano DF: Taurine Protects Hamster Bronchioles From Acute NO_2-Induced Alterations: A Histologic, Ultrastructural, and Freeze-Fracture Study (December), 585

Goto M: *See* Sato Y, Mukai K, Watanabe S, Goto M, Shimosato Y, 431
Gown AM, Tsukada T, Ross R: Human Atherosclerosis: II. Immunocytochemical Analysis of the Cellular Composition of Human Atherosclerotic Lesions (October), 191
Grose M: *See* Seemayer TA, Yale J-F, De Chadarevian J-P, Grose M, Marliss EB, 327
Guideri G: *See* Olivetti G, Ricci R, Beghi C, Guideri G, Anversa P, 476

Hajianpour MA: *See* Ghandur-Mnaymneh L, Cassady J, Hajianpour MA, Paz J, Reiss E, 292
Hales CA: *See* Kradin RL, Zhu Y, Hales CA, Bianco C, Colvin RB, 349
Hansmann M-L: *See* Parwaresch MR, Radzun HJ, Kreipe H, Hansmann M-L, Barth J, 141
Harper ME: *See* Biberfeld P, Chayt KJ, Marselle LM, Biberfeld G, Gallo RC, Harper ME, 436
Harshbarger R: *See* Schraufnagel DE, Mehta D, Harshbarger R, Treviranus K, Wang N-S, 97
Hasslen SR: *See* Nelson RD, Hasslen SR, Ahrenholz DH, Haus E, Solem LD, 563
Haus E: *See* Nelson RD, Hasslen SR, Ahrenholz DH, Haus E, Solem LD, 563
Hayashi K: *See* Hembry RM, Bernanke DH, Hayashi K, Trelstrad RL, Ehrlich HP, 81
Hayden DW: *See* Johnson KB, Hayden DW, O'Brien TD, Westermark P, 416
Heagan B: *See* White JG, Krumwiede M, Burris SM, Heagan B, 319
Hembry RM, Bernanke DH, Hayashi K, Trelstrad RL, Ehrlich HP: Morphologic Examination of Mesenchymal Cells in Healing Wounds of Normal and Tight Skin Mice (October), 81
Hendley DD: *See* Adler KB, Hendley DD, Davis GS, 501
Higashi GI: *See* Chensue SW, Remick DG, Higashi GI, Boros DL, Kunkel SL, 28
Higuchi K: *See* Matsushita M, Tsuboyama T, Kasai R, Okumura H, Yamamuro T, Higuchi K, Higuchi K, Kohno A, Yonezu T, Utani A, Umezawa M, Takeda T, 276
Higuchi K: *See* Matsushita M, Tsuboyama T, Kasai R, Okumura H, Yamamuro T, Higuchi K, Higuchi K, Kohno A, Yonezu T, Utani A, Umezawa M, Takeda T, 276
Holzner JH: *See* Reiner A, Spona J, Reiner G, Schemper M, Kolb R, Kwasny W, Fugger R, Jakesz R, Holzner JH, 443
Hoover RL: *See* Castellot JJ Jr, Hoover RL, Karnovsky MJ, 493
Hoover RL: *See* Rogers KA, Hoover RL, Castellot JJ, Robinson JM, Karnovsky MJ, 284
Hoyer JR: *See* Fasth A, Hoyer JR, Seiler MW, 555
Hsu S-M, Zhao X: Rapid Communication: Expression of Interleukin-1 in Reed-Sternberg Cells and Neoplastic Cells From True Histiocytic Malignancies (November), 221
Huber S: *See* Estrin M, Smith C, Huber S, 244
Huber S: *See* Estrin M, Smith C, Huber S, 578

Iwatsuki S: *See* Demetris AJ, Jaffe R, Sheahan DG, Burnham J, Spero J, Iwatsuki S, Van Theil DH, Starz TE, 161

Jaffe R: *See* Demetris AJ, Jaffe R, Sheahan DG, Burnham J, Spero J, Iwatsuki S, Van Theil DH, Starz TE, 161
Jagirdar J: *See* Chang JC, Jagirdar J, Lesser M, 16
Jakesz R: *See* Reiner A, Spona J, Reiner G, Schemper M, Kolb R, Kwasny W, Fugger R, Jakesz R, Holzner JH: D1
Jansen B, Thorner P, Baumal R, Valli V, Maxie MG, Singh A: Samoyed Hereditary Glomerulopathy (SHG): Evolution of Splitting of Glomerular Capillary Basement Membranes (December), 536
Jeffsson B: *See* Rozga J, Jeffsson B, Bengmark S, 300

Johnson KB, Hayden DW, O'Brien TD, Westermark P: Animal Model of Human Disease: Spontaneous Diabetes Mellitus-Islet Amyloid Complex in Adult Cats (November), 416

Karnovsky MJ: *See* Castellot JJ Jr, Hoover RL, Karnovsky MJ, 493
Karnovsky MJ: *See* Rogers KA, Hoover RL, Castellot JJ, Robinson JM, Karnovsky MJ, 284
Kasai R: *See* Matsushita M, Tsuboyama T, Kasai R, Okumura H, Yamamuro T, Higuchi K, Higuchi K, Kohno A, Yonezu T, Utani A, Umezawa M, Takeda T, 276
Kashgarian M: *See* Sterzel RB, Lovett DH, Foellmer HG, Perfetto M, Biemesderfer D, Kashgarian M, 130
Katayama M: *See* Kobayashi S, Chiu F-C, Katayama M, Sacchi RS, Suzuki K, Suzuki K, 227
Kawka DW: *See* Singer II, Kawka DW, McNally SM, Eiermann GJ, Metzger JM, Peterson LB, 258
Keenan KP, Sharpnack DD, Collins H, Formal SB, O'Brien AD: Morphologic Evaluation of the Effects of Shiga Toxin and *E coli* Shiga-like Toxin on the Rabbit Intestine (October), 69
Kerjaschki D: *See* Sawada H, Stukenbrok H, Kerjaschki D, Farquhar MG, 309
Khashimov KLA: *See* Orekhov AN, Andreeva ER, Krushinsky AV, Novikov ID, Tertov VV, Nestaiko GV, Khashimov KLA, Repin VS, Smirnov VN, 402
Kim Y: *See* Melvin T, Kim Y, Michael AF, 460
Kimura N, Andoh N, Sasano N, Sasaki A, Mouri T: Presence of Neurophysins in the Human Pituitary Corticotrophs, Cushing's Adenomas, and Growth Hormone-Producing Adenomas Detected by Immunohistochemical Study (November), 269
Kobayashi S, Chiu F-C, Katayama M, Sacchi RS, Suzuki K, Suzuki K: Expression of Glial Fibrillary Acidic Protein in the CNS and PNS of Murine Globoid Cell Leukodystrophy, the Ywitcher (November), 227
Kohno A: *See* Matsushita M, Tsuboyama T, Kasai R, Okumura H, Yamamuro T, Higuchi K, Higuchi K, Kohno A, Yonezu T, Utani A, Umezawa M, Takeda T, 276
Kolb R: *See* Reiner A, Spona J, Reiner G, Schemper M, Kolb R, Kwasny W, Fugger R, Jakesz R, Holzner JH, 443
Kradin RL, Zhu Y, Hales CA, Bianco C, Colvin RB: Response of Pulmonary Macrophages to Hyperoxic Pulmonary Injury: Acquisition of Surface Fibronectin and Fibrinogen and Enhanced Expression of a Fibronectin Receptor (November), 349
Kreipe H: *See* Parwaresch MR, Radzun HJ, Kreipe H, Hansmann M-L, Barth J, 141
Krumwiede M: *See* White JG, Krumwiede M, Burris SM, Heagan B, 319
Krushinsky AV: *See* Orekhov AN, Andreeva ER, Krushinsky AV, Novikov ID, Tertov VV, Nestaiko GV, Khashimov KLA, Repin VS, Smirnov VN, 402
Kunkel SL: *See* Bachwich PR, Lynch JP III, Larrick J, Spengler M, Kunkel SL, 421
Kunkel SL: *See* Chensue SW, Remick DG, Higashi GI, Boros DL, Kunkel SL, 28
Kunz A: *See* Brown D, Vassalli J-D, Kunz A, Mulhauser J, Orci L, 601
Kwasny W: *See* Reiner A, Spona J, Reiner G, Schemper M, Kolb R, Kwasny W, Fugger R, Jakesz R, Holzner JH, 443

Lagunoff D: *See* Webster RO, Wysolmerski RB, Lagunoff D, 369
Lairmore MD, Rosadio PH, DeMartini JC: Ovine Lentivirus Lymphoid Interstitial Pneumonia: Rapid Induction in Neonatal Lambs (October), 173
Landefeld TD: *See* Lloyd RV, Landefeld TD, 35
Larkin EC: *See* Yu GSM, Steinkirchner TM, Rao GA, Larkin EC, 620
Larrick J: *See* Bachwich PR, Lynch JP III, Larrick J, Spengler M, Kunkel SL, 421
Lesser M: *See* Chang JC, Jagirdar J, Lesser M, 16
Lewis JC: *See* Taylor RG, Lewis JC, 152
Like AA: *See* Weringer EJ, Like AA, 107
Limas C: Detection of Urothelial Lewis Antigens With Monoclonal Antibodies (December), 515
Lloyd RV, Landefeld TD: Detection of Prolactin Messenger RNA in Rat Anterior Pituitary by *In Situ* Hybridization (October), 35
Lloyd RV, Sisson JC, Shapiro B, Verhofstad AAJ: Immunohistochemical Localization of Epinephrine, Norepinephrine, Catecholamine-Synthesizing Enzymes, and Chromogranin in Neuroendocrine Cells and Tumors (October), 45
Lovett DH: *See* Sterzel RB, Lovett DH, Foellmer HG, Perfetto M, Biemesderfer D, Kashgarian M, 130
Lukes RJ: *See* Samoszuk MK, Nathwani BN, Lukes RJ, 426
Lynch JP III: *See* Bachwich PR, Lynch JP III, Larrick J, Spengler M, Kunkel SL, 421

Mahan J, Sisson-Ross S, Vernier RL: Glomerular Baesment Membrane Anionic Charge Site Changes Early in Aminonucleoside Nephrosis (November), 393
Malouf NN, Wilson PE: Proliferation of the Surface-Connected Intracytoplasmic Membranous Network in Skeletal Muscle Disease (November), 358
Manara GC: *See* Allegri L, Brianti E, Chatelet F, Manara GC, Ronco P, Verroust P, 1
Marliss EB: *See* Seemayer TA, Yale J-F, De Chadarevian J-P, Grose M, Marliss EB, 327
Marselle LM: *See* Biberfeld P, Chayt KJ, Marselle LM, Biberfeld G, Gallo RC, Harper ME, 436
Mathur SN: *See* Armstrong ML, Mathur SN, Sando GN, Megan MB, 339
Matsushita M, Tsuboyama T, Kasai R, Okumura H, Yamamuro T, Higuchi K, Higuchi K, Kohno A, Yonezu T, Utani A, Umezawa M, Takeda T: Age-Related Changes in Bone Mass in the Senescence-Accelerated Mouse (SAM): SAM-R/3 and SAM-P/6 as New Murine Models for Senile Osteoporosis (November), 276
Maxie MG: *See* Jansen B, Thorner P, Baumal R, Valli V, Maxie MG, Singh A, 536
McLachlan JA: *See* Newbold RR, Bullock BC, McLachlan JA, 625
McNally SM: *See* Singer II, Kawka DW, McNally SM, Eiermann GJ, Metzger JM, Peterson LB, 258
Megan MB: *See* Armstrong ML, Mathur SN, Sando GN, Megan MB, 339
Mehta D: *See* Schraufnagel DE, Mehta D, Harshbarger R, Treviranus K, Wang N-S, 97
Melvin T, Kim Y, Michael AF: Amyloid P Component Is Not Present in the Glomerular Basement Membrane in Alport-Type Hereditary Nephritis (December), 460
Metzger JM: *See* Singer II, Kawka DW, McNally SM, Eiermann GJ, Metzger JM, Peterson LB, 258
Michael AF: *See* Melvin T, Kim Y, Michael AF, 460
Miller KR: *See* Spelman LH, Thompson NL, Fausto N, Miller KR, 379
Misson J-P: *See* Vamecq J, Draye JP, Van Hoof F, Misson J-P, Evrard P, Verellen G, Eyssen HJ, Van Eldere J, Schutgens RBH, Wanders RJA, Roels F, Goldfischer SL, 524
Mori M: *See* Ogawa K, Suzuki J-I, Mukai H, Mori M, 611
Mosher DF: *See* Murphy-Ullrich, JE, Oberley TD, Mosher DF, 182
Mouri T: *See* Kimura N, Andoh N, Sasano N, Sasaki A, Mouri T, 269
Mukai H: *See* Ogawa K, Suzuki J-I, Mukai H, Mori M, 611
Mukai K: *See* Sato Y, Mukai K, Watanabe S, Goto M, Shimosato Y, 431

Mulhauser J: *See* Brown D, Vassalli J-D, Kunz A, Mulhauser J, Orci L, 601
Murphy-Ullrich, JE, Oberley TD, Mosher DF: Serologic and Pathologic Studies of Mice Immunized With Homologous Fibronectin (October), 182

Nathwani BN: *See* Samoszuk MK, Nathwani BN, Lukes RJ, 426
Nelson RD, Hasslen SR, Ahrenholz DH, Haus E, Solem LD: Influence of Minor Thermal Injury on Expression of Complement Receptor CR3 on Human Neutrophils (December), 563
Nestaiko GV: *See* Orekhov AN, Andreeva ER, Krushinsky AV, Novikov ID, Tertov VV, Nestaiko GV, Khashimov KLA, Repin VS, Smirnov VN, 402
Newbold RR, Bullock BC, McLachlan JA: Animal Model of Human Disease: Adenocarcinoma of the Rete Testis: Diethylstilbestrol-Induced Lesions of the Mouse Rete Testis (December), 625
Novikov ID: *See* Orekhov AN, Andreeva ER, Krushinsky AV, Novikov ID, Tertov VV, Nestaiko GV, Khashimov KLA, Repin VS, Smirnov VN, 402
Nowell PC, Croce CM: Rous-Whipple Award Lecture: Chromosomes, Genes, and Cancer (October), 7

Oberley TD: *See* Murphy-Ullrich, JE, Oberley TD, Mosher DF, 182
O'Brien AD: *See* Keenan KP, Sharpnack DD, Collins H, Formal SB, O'Brien AD, 69
O'Brien TD: *See* Johnson KB, Hayden DW, O'Brien TD, Westermark P, 416
Ogawa K, Suzuki J-I, Mukai H, Mori M: Sequential Changes of Extracellular Matrix and Proliferation of Ito Cells With Enhanced Expression of Desmin and Actin in Focal Hepatic Injury (December), 611
Okumura H: *See* Matsushita M, Tsuboyama T, Kasai R, Okumura H, Yamamuro T, Higuchi K, Higuchi K, Kohno A, Yonezu T, Utani A, Umezawa M, Takeda T, 276
Olivetti G, Ricci R, Beghi C, Guideri G, Anversa P: Response of the Border Zone to Myocardial Infarction in Rats (December), 476
Orci L: *See* Brown D, Vassalli J-D, Kunz A, Mulhauser J, Orci L, 601
Orekhov AN, Andreeva ER, Krushinsky AV, Novikov ID, Tertov VV, Nestaiko GV, Khashimov KLA, Repin VS, Smirnov VN: Intimal Cells and Atherosclerosis: Relationship Between the Number of Intimal Cells and Major Manifestations of Atherosclerosis in the Human Aorta (November), 402

Parwaresch MR, Radzun HJ, Kreipe H, Hansmann M-L, Barth J: Monocyte/Macrophage-Reactive Monoclonal Antibody Ki-M6 Recognizes an Intracytoplasmic Antigen (October), 141
Paz J: *See* Ghandur-Mnaymneh L, Cassady J, Hajianpour MA, Paz J, Reiss E, 292
Perfetto M: *See* Sterzel RB, Lovett DH, Foellmer HG, Perfetto M, Biemesderfer D, Kashgarian M, 130
Peterson LB: *See* Singer II, Kawka DW, McNally SM, Eiermann GJ, Metzger JM, Peterson LB, 258

Radzun HJ: *See* Parwaresch MR, Radzun HJ, Kreipe H, Hansmann M-L, Barth J, 141
Rao GA: *See* Yu GSM, Steinkirchner TM, Rao GA, Larkin EC, 620
Reidy MA: *See* Walker LN, Reidy MA, Bowyer DE, 450
Reiner A, Spona J, Reiner G, Schemper M, Kolb R, Kwasny W, Fugger R, Jakesz R, Holzner JH: Rapids Estrogen Receptor Analysis of Biopsies and Fine-Needle Aspirates From Human Breast Carcinoma: Correlation of Biochemical and Immunohistochemical Methods Using Monoclonal Antireceptor Antibodies (November), 443
Reiner G: *See* Reiner A, Spona J, Reiner G, Schemper M, Kolb R, Kwasny W, Fugger R, Jakesz R, Holzner JH, 443
Reiss E: *See* Ghandur-Mnaymneh L, Cassady J, Hajianpour MA, Paz J, Reiss E, 292
Remick DG: *See* Chensue SW, Remick DG, Higashi GI, Boros DL, Kunkel SL, 28
Repin VS: *See* Orekhov AN, Andreeva ER, Krushinsky AV, Novikov ID, Tertov VV, Nestaiko GV, Khashimov KLA, Repin VS, Smirnov VN, 402
Ricci R: *See* Olivetti G, Ricci R, Beghi C, Guideri G, Anversa P, 476
Robinson JM, Tanphaichitr N, Bellve AR: Gossypol-Induced Damage to Mitochondria of Transformed Sertoli Cells (December),484
Robinson JM: *See* Rogers KA, Hoover RL, Castellot JJ, Robinson JM, Karnovsky MJ, 284
Roels F: *See* Vamecq J, Draye JP, Van Hoof F, Misson J-P, Evrard P, Verellen G, Eyssen HJ, Van Eldere J, Schutgens RBH, Wanders RJA, Roels F, Goldfischer SL, 524
Rogers KA, Hoover RL, Castellot JJ, Robinson JM, Karnovsky MJ: Dietary Cholesterol-Induced Changes in Macrophage Characteristics: Relationship to Atherosclerosis (November), 284
Ronco P: *See* Allegri L, Brianti E, Chatelet F, Manara GC, Ronco P, Verroust P, 1
Rosadio PH: *See* Lairmore MD, Rosadio PH, DeMartini JC, 173
Ross R: *See* Gown AM, Tsukada T, Ross R, 191
Rozga J, Jeffsson B, Bengmark S: Portal Branch Ligation in the Rat: Reevaluation of a Model (November), 300

Sacchi RS: *See* Kobayashi S, Chiu F-C, Katayama M, Sacchi RS, Suzuki K, Suzuki K, 227
Samoszuk MK, Nathwani BN, Lukes RJ: Rapid Communications: Extensive Deposition of Eosinophil Peroxidase in Hodgkin's and Non-Hodgkin's Lymphomas (December), 426
Sando GN: *See* Armstrong ML, Mathur SN, Sando GN, Megan MB, 339
Sasaki A: *See* Kimura N, Andoh N, Sasano N, Sasaki A, Mouri T, 269
Sasano N: *See* Kimura N, Andoh N, Sasano N, Sasaki A, Mouri T, 269
Sato Y, Mukai K, Watanabe S, Goto M, Shimosato Y: Rapid Communications: The AMEX Method: A Simplified Technique of Tissue Processing and Paraffin Embedding With Improved Preservation of Antigens for Immunostaining (December), 431
Satyaswaroop PG: *See* Tabibzadeh SS, Gerber MA, Satyaswaroop PG, 90
Sawada H, Stukenbrok H, Kerjaschki D, Farquhar MG: Epithelial Polyanion (Podocalyxin) is Found on the Sides but Not the Soles of the Foot Processes of the Glomerular Epithelium (November), 309
Schemper M: *See* Reiner A, Spona J, Reiner G, Schemper M, Kolb R, Kwasny W, Fugger R, Jakesz R, Holzner JH, 443
Schraufnagel DE, Mehta D, Harshbarger R, Treviranus K, Wang N-S: Capillary Remodeling in Bleomycin-Induced Pulmonary Fibrosis (October), 97
Schutgens RBH: *See* Vamecq J, Draye JP, Van Hoof F, Misson J-P, Evrard P, Verellen G, Eyssen HJ, Van Eldere J, Schutgens RBH, Wanders RJA, Roels F, Goldfischer SL, 524
Scott RE: *See* Wier ML, Scott RE, 546
Seemayer TA, Yale J-F, De Chadarevian J-P, Grose M, Marliss EB: Obliterative Segmental Sclerosis of Pancreatic Islets: A Possible Consequence of Hypotensive Shock in Young BB Rats (November), 327

Seiler MW: *See* Fasth A, Hoyer JR, Seiler MW, 555
Sens DA: *See* Garvin AJ, Stanley WS, Bennett DD, Sullivan JL, Sens DA, 208
Shaked AA: *See* Gordon RE, Shaked AA, Solano DF, 585
Shapiro B: *See* Lloyd RV, Sisson JC, Shapiro B, Verhofstad AAJ, 45
Sharpnack DD: *See* Keenan KP, Sharpnack DD, Collins H, Formal SB, O'Brien AD, 69
Sheahan DG: *See* Demetris AJ, Jaffe R, Sheahan DG, Burnham J, Spero J, Iwatsuki S, Van Theil DH, Starz TE, 161
Shimosato Y: *See* Sato Y, Mukai K, Watanabe S, Goto M, Shimosato Y, 431
Simon MA: *See* Brecher ME, Franklin WA, Simon MA, 252
Singer II, Kawka DW, McNally SM, Eiermann GJ, Metzger JM, Peterson LB: Extensive Laminin and Basement Membrane Accumulation Occurs at the Onset of B1omycin-Induced Rodent Pulmonary Fibrosis (November), 258
Singh A: *See* Jansen B, Thorner P, Baumal R, Valli V, Maxie MG, Singh A, 536
Sisson JC: *See* Lloyd RV, Sisson JC, Shapiro B, Verhofstad AAJ, 45
Sisson-Ross S: *See* Mahan J, Sisson-Ross S, Vernier RL, 393
Skalli O: *See* Stamenkovic I, Skalli O, Gabbiani G, 465
Smirnov VN: *See* Orekhov AN, Andreeva ER, Krushinsky AV, Novikov ID, Tertov VV, Nestaiko GV, Khashimov KLA, Repin VS, Smirnov VN, 402
Smith C: *See* Estrin M, Smith C, Huber S, 244
Smith C: *See* Estrin M, Smith C, Huber S, 578
Sobel RA, Collins AB, Colvin RB, Bhan AK: The *in Situ* Cellular Immune Response in Acute Herpes Simplex Encephalitis (November), 332
Solano DF: *See* Gordon RE, Shaked AA, Solano DF, 585
Solem LD: *See* Nelson RD, Hasslen SR, Ahrenholz DH, Haus E, Solem LD, 563
Spelman LH, Thompson NL, Fausto N, Miller KR: A Structural Analysis of Gap and Tight Junctions in the Rat Liver During a Dietary Treatment That Induces Oval Cell Proliferation (November), 379
Spengler M: *See* Bachwich PR, Lynch JP III, Larrick J, Spengler M, Kunkel SL, 421
Spero J: *See* Demetris AJ, Jaffe R, Sheahan DG, Burnham J, Spero J, Iwatsuki S, Van Theil DH, Starz TE, 161
Spona J: *See* Reiner A, Spona J, Reiner G, Schemper M, Kolb R, Kwasny W, Fugger R, Jakesz R, Holzner JH, 443
Stamenkovic I, Skalli O, Gabbiani G: Distribution of Intermediate Filament Proteins in Normal and Diseased Human Glomeruli (December), 465
Stanley WS: *See* Garvin AJ, Stanley WS, Bennett DD, Sullivan JL, Sens DA, 208
Starz TE: *See* Demetris AJ, Jaffe R, Sheahan DG, Burnham J, Spero J, Iwatsuki S, Van Theil DH, Starz TE, 161
Steinkirchner TM: *See* Yu GSM, Steinkirchner TM, Rao GA, Larkin EC, 620
Sterzel RB, Lovett DH, Foellmer HG, Perfetto M, Biemesderfer D, Kashgarian M: Mesangial Cell Hillocks: Nodular Foci of Exaggerated Growth of Cells and Matrix in Prolonged Culture (October), 130
Stukenbrok H: *See* Sawada H, Stukenbrok H, Kerjaschki D, Farquhar MG, 309
Sullivan JL: *See* Garvin AJ, Stanley WS, Bennett DD, Sullivan JL, Sens DA, 208
Suzuki J-I: *See* Ogawa K, Suzuki J-I, Mukai H, Mori M, 611
Suzuki K: *See* Kobayashi S, Chiu F-C, Katayama M, Sacchi RS, Suzuki K, Suzuki K, 227
Suzuki K: *See* Kobayashi S, Chiu F-C, Katayama M, Sacchi RS, Suzuki K, Suzuki K, 227
Swinehart GL: *See* Abramowsky CR, Swinehart GL, 571

Tabibzadeh SS, Gerber MA, Satyaswaroop PG: Induction of HLA-DR Antigen Expression in Human Endometrial Epithelial Cells *in Vitro* by Recombinant Interferon (October), 90
Takeda T: *See* Matsushita M, Tsuboyama T, Kasai R, Okumura H, Yamamuro T, Higuchi K, Higuchi K, Kohno A, Yonezu T, Utani A, Umezawa M, Takeda T, 276
Tanphaichitr N: *See* Robinson JM, Tanphaichitr N, Bellve AR, 484
Taylor RG, Lewis JC: Endothelial Cell Proliferation and Monocyte Adhesion to Atherosclerotic Lesions of White Carneau Pigeons (October), 152
Tertov VV: *See* Orekhov AN, Andreeva ER, Krushinsky AV, Novikov ID, Tertov VV, Nestaiko GV, Khashimov KLA, Repin VS, Smirnov VN, 402
Thompson NL: *See* Spelman LH, Thompson NL, Fausto N, Miller KR, 379
Thorner P: *See* Jansen B, Thorner P, Baumal R, Valli V, Maxie MG, Singh A, 536
Trelstrad RL: *See* Hembry RM, Bernanke DH, Hayashi K, Trelstrad RL, Ehrlich HP, 81
Treviranus K: *See* Schraufnagel DE, Mehta D, Harshbarger R, Treviranus K, Wang N-S, 97
Tsuboyama T: *See* Matsushita M, Tsuboyama T, Kasai R, Okumura H, Yamamuro T, Higuchi K, Higuchi K, Kohno A, Yonezu T, Utani A, Umezawa M, Takeda T, 276
Tsukada T: *See* Gown AM, Tsukada T, Ross R, 191

Umezawa M: *See* Matsushita M, Tsuboyama T, Kasai R, Okumura H, Yamamuro T, Higuchi K, Higuchi K, Kohno A, Yonezu T, Utani A, Umezawa M, Takeda T, 276
Utani A: *See* Matsushita M, Tsuboyama T, Kasai R, Okumura H, Yamamuro T, Higuchi K, Higuchi K, Kohno A, Yonezu T, Utani A, Umezawa M, Takeda T, 276

Valli V: *See* Jansen B, Thorner P, Baumal R, Valli V, Maxie MG, Singh A, 536
Vamecq J, Draye JP, Van Hoof F, Misson J-P, Evrard P, Verellen G, Eyssen HJ, Van Eldere J, Schutgens RBH, Wanders RJA, Roels F, Goldfischer SL: Multiple Peroxisomal Enzymatic Deficiency Disorders: A Comparative Biochemical and Morpholoic Study of Zellweger Cerebrohepatorenal Syndrome and Neonatal Adrenoleukodystrophy (December), 524
Van Eldere J: *See* Vamecq J, Draye JP, Van Hoof F, Misson J-P, Evrard P, Verellen G, Eyssen HJ, Van Eldere J, Schutgens RBH, Wanders RJA, Roels F, Goldfischer SL, 524
Van Hoof F: *See* Vamecq J, Draye JP, Van Hoof F, Misson J-P, Evrard P, Verellen G, Eyssen HJ, Van Eldere J, Schutgens RBH, Wanders RJA, Roels F, Goldfischer SL, 524
Van Theil DH: *See* Demetris AJ, Jaffe R, Sheahan DG, Burnham J, Spero J, Iwatsuki S, Van Theil DH, Starz TE, 161
Vander Heide RS, Angelo JP, Altschuld RA, Ganote CE: Energy Dependence of Contraction Band Formation in Perfused Hearts and Isolated Adult myocytes (October), 55
Vassalli J-D: *See* Brown D, Vassalli J-D, Kunz A, Mulhauser J, Orci L, 601
Verellen G: *See* Vamecq J, Draye JP, Van Hoof F, Misson J-P, Evrard P, Verellen G, Eyssen HJ, Van Eldere J, Schutgens RBH, Wanders RJA, Roels F, Goldfischer SL, 524
Verhofstad AAJ : *See* Lloyd RV, Sisson JC, Shapiro B, Verhofstad AAJ, 45
Vernier RL: *See* Mahan J, Sisson-Ross S, Vernier RL, 393
Verroust P: *See* Allegri L, Brianti E, Chatelet F, Manara GC, Ronco P, Verroust P, 1

Walker LN, Reidy MA, Bowyer DE: Morphology and Cell Kinetics of Fatty Streak Lesion Formation in the Hypercholesterolemic Rabbit (December), 450
Wanders RJA: *See* Vamecq J, Draye JP, Van Hoof F, Misson J-P, Evrard P, Verellen G, Eyssen HJ, Van Eldere J, Schutgens RBH, Wanders RJA, Roels F, Goldfischer SL, 524

Wang N-S: *See* Schraufnagel DE, Mehta D, Harshbarger R, Treviranus K, Wang N-S, 97
Watanabe S: *See* Sato Y, Mukai K, Watanabe S, Goto M, Shimosato Y, 431
Webster RO, Wysolmerski RB, Lagunoff D: Enhancement of Human Polymorphonuclear Leukocyte Adherence to Plastic and Endothelium by Phorbol Myristate Acetate (PMA) in Comparison With Human C5a (November), 369
Weringer EJ, Like AA: Diabetes Mellitus in the BB/W Rat: Insulitis in Pancreatic Islet Grafts After Transplantation in Diabetic Recipients (October), 107
Westermark P: *See* Eriksson L, Westermark P, 124
Westermark P: *See* Johnson KB, Hayden DW, O'Brien TD, Westermark P, 416
White JG, Krumwiede M, Burris SM, Heagan B: Isolation of Microtubule Coils From Platelets After Exposure to Aggregating Agents (November), 319
Wier ML, Scott RE: Aproliferin—A Human Plasma Protein That Induces the Irreversible Loss of Proliferative Potential Associated With Terminal Differentiation, 546
Wilson PE: *See* Malouf NN, Wilson PE, 358
Wysolmerski RB: *See* Webster RO, Wysolmerski RB, Lagunoff D, 369

Yale J-F: *See* Seemayer TA, Yale J-F, De Chadarevian J-P, Grose M, Marliss EB, 327
Yamamuro T: *See* Matsushita M, Tsuboyama T, Kasai R, Okumura H, Yamamuro T, Higuchi K, Higuchi K, Kohno A, Yonezu T, Utani A, Umezawa M, Takeda T, 276
Yonezu T: *See* Matsushita M, Tsuboyama T, Kasai R, Okumura H, Yamamuro T, Higuchi K, Higuchi K, Kohno A, Yonezu T, Utani A, Umezawa M, Takeda T, 276
Yu GSM, Steinkirchner TM, Rao GA, Larkin EC: Effect of Prenatal Iron Deficiency on Myelination in Rat Pups (December), 620

Zhao X: *See* Hsu S-M, Zhao X, 221
Zhu Y: *See* Kradin RL, Zhu Y, Hales CA, Bianco C, Colvin RB, 349

The American Journal of PATHOLOGY

CONTENTS FOR VOLUME 125, 1986

October 1986

1 **Rapid Communication:** Polyvalent Antigen–Antibody Interactions Are Required for the Formation of Electron-Dense Immune Deposits in Passive Heymann's Nephritis
L. Allegri, E. Brianti, F. Chatelet, G. C. Manara, P. Ronco, and P. Verroust

7 **Rous-Whipple Award Lecture:** Chromosomes, Genes, and Cancer
Peter C. Nowell and Carlo M. Croce

16 Long-Term Evolution of BCG- and CFA-Induced Granulomas in Rat Lungs: Correlation of Histologic Features With Cells in Bronchoalveolar Lavage Samples
Jui C. Chang, Jaishree Jagirdar, and Marvin Lesser

28 Modulation of Murine Schistosomiasis by Exogenously Administered Prostaglandins
Stephen W. Chensue, Daniel G. Remick, Gene I. Higashi, Dov L. Boros, and Steven L. Kunkel

35 Detection of Prolactin Messenger RNA in Rat Anterior Pituitary by *In Situ* Hybridization
Ricardo V. Lloyd and Thomas D. Landefeld

45 Immunohistochemical Localization of Epinephrine, Norepinephrine, Catecholamine-Synthesizing Enzymes, and Chromogranin in Neuroendocrine Cells and Tumors
Ricardo V. Lloyd, James C. Sisson, Brahm Shapiro, and A. A. J. Verhofstad

55 Energy Dependence of Contraction Band Formation in Perfused Hearts and Isolated Adult Myocytes
Richard S. Vander Heide, Joseph P. Angelo, Ruth A. Altschuld, and Charles E. Ganote

69 Morphologic Evaluation of the Effects of Shiga Toxin and *E. coli* Shiga-like Toxin on the Rabbit Intestine
Kevin P. Keenan, Douglas D. Sharpnack, Hugh Collins, Samuel B. Formal, and Alison D. O'Brien

81 Morphologic Examination of Mesenchymal Cells in Healing Wounds of Normal and Tight Skin Mice
Rosalind M. Hembry, David H. Bernanke, Kimiko Hayashi, Robert L. Trelstrad, and H. Paul Ehrlich

90 Induction of HLA-DR Antigen Expression in Human Endometrial Epithelial Cells *in Vitro* by Recombinant γ-Interferon
Siamak S. Tabibzadeh, Michael A. Gerber, and Pondichery G. Satyaswaroop

97 Capillary Remodeling in Bleomycin-Induced Pulmonary Fibrosis
Dean E. Schraufnagel, Daksha Mehta, Robert Harshbarger, Kim Treviranus, and Nai-San Wang

107 Diabetes Mellitus in the BB/W Rat: Insulitis in Pancreatic Islet Grafts After Transplantation in Diabetic Recipients
Elora J. Weringer and Arthur A. Like

113 The Significance of Double Phenotypic Patterns and Markers in Human Sarcomas: A New Model of Mesenchymal Differentiation
John J. Brooks

124 Intracellular Neurofibrillary Tangle-like Aggregations: A Constantly Present Amyloid Alteration in the Aging Choroid Plexus
Lars Eriksson and Per Westermark

130 Mesangial Cell Hillocks: Nodular Foci of Exaggerated Growth of Cells and Matrix in Prolonged Culture
R. Bernd Sterzel, David H. Lovett, Harald G. Foellmer, Mary Perfetto, Daniel Biemesderfer, and Michael Kashgarian

141 Monocyte/Macrophage-Reactive Monoclonal Antibody Ki-M6 Recognizes an Intracytoplasmic Antigen
M. R. Parwaresch, H. J. Radzun, H. Kreipe, M.-L. Hansmann, and J. Barth

152 Endothelial Cell Proliferation and Monocyte Adhesion to Atherosclerotic Lesions of White Carneau Pigeons
Richard G. Taylor and Jon C. Lewis

161 Recurrent Hepatitis B in Liver Allograft Recipients: Differentiation Between Viral Hepatitis B and Rejection
A. Jake Demetris, R. Jaffe, D. G. Sheahan, J. Burnham, J. Spero, S. Iwatsuki, D. H. Van Theil, and T. E. Starzl

173 Ovine Lentivirus Lymphoid Interstitial Pneumonia: Rapid Induction in Neonatal Lambs
Michael D. Lairmore, Paul H. Rosadio, and James C. DeMartini

182 Serologic and Pathologic Studies of Mice Immunized With Homologous Fibronectin
Joanne E. Murphy-Ullrich, Terry D. Oberley, and Deane F. Mosher

191 Human Atherosclerosis: II. Immunocytochemical Analysis of the Cellular Composition of Human Atherosclerotic Lesions
Allen M. Gown, Toyohiro Tsukada, and Russell Ross

208 The *In Vitro* Growth, Heterotransplantation, and Differentiation of a Human Rhabdomyosarcoma Cell Line
A. Julian Garvin, Wayne S. Stanley, David D. Bennett, Jerome L. Sullivan, and Donald A. Sens

218 **Animal Model of Human Disease:** Muscular Dystrophy: Muscular Dystrophy in White Pekin Ducks
P. Gopalakrishnakone

November 1986

221 **Rapid Communication:** Expression of Interleukin-1 in Reed-Sternberg Cells and Neoplastic Cells From True Histiocytic Malignancies
Su-Ming Hsu and Xun Zhao

227 Expression of Glial Fibrillary Acidic Protein in the CNS and PNS of Murine Globoid Cell Leukodystrophy, the Twitcher
S. Kobayashi, F.-C. Chiu, M. Katayama, R. S. Sacchi, K. Suzuki, and K. Suzuki

244 Coxsackievirus B-3 Myocarditis: T-Cell Autoimmunity to Heart Antigens Is Resistant to Cyclosporin-A Treatment
Mario Estrin, Christopher Smith, and Sally Huber

252 Immunohistochemical Study of Mononuclear Phagocyte Antigens in Giant Cell Tumors of Bone
Mark E. Brecher, Wilbur A. Franklin, and Michael A. Simon

258 Extensive Laminin and Basement Membrane Accumulation Occurs at the Onset of Bleomycin-Induced Rodent Pulmonary Fibrosis
Irwin I. Singer, Douglas W. Kawka, Susan M. McNally, George J. Eiermann, Joseph M. Metzger, and Laurence B. Peterson

269 Presence of Neurophysins in the Human Pituitary Corticotrophs, Cushing's Adenomas, and Growth Hormone-Producing Adenomas Detected by Immunohistochemical Study
Noriko Kimura, Noriaki Andoh, Nobuaki Sasano, Atsushi Sasaki, and Toraichi Mouri

276 Age-Related Changes in Bone Mass in the Senescence-Accelerated Mouse (SAM): SAM-R/3 and SAM-P/6 as New Murine Models for Senile Osteoporosis
Mutsumi Matsushita, Tadao Tsuboyama, Ryuichi Kasai, Hideo Okumura, Takao Yamamuro, Keiichi Higuchi, Kayoko Higuchi, Atsuko Kohno, Tomonori Yonezu, Atsushi Utani, Makiko Umezawa, and Toshio Takeda

284 Dietary Cholesterol-Induced Changes in Macrophage Characteristics: Relationship to Atherosclerosis
Kem A. Rogers, Richard L. Hoover, John J. Castellot, Jr., John M. Robinson, and Morris J. Karnovsky

292 The Parathyroid Gland in Health and Disease
Latifa Ghandur-Mnaymneh, Janet Cassady, M. A. Hajianpour, Jose Paz, and Eric Reiss

300 Portal Branch Ligation in the Rat: Reevaluation of a Model
Jacek Rozga, Bengt Jeffsson, and Stig Bengmark

309 Epithelial Polyanion (Podocalyxin) Is Found on the Sides but Not the Soles of the Foot Processes of the Glomerular Epithelium
Hajime Sawada, Hans Stukenbrok, Dontscho Kerjaschki, and Marilyn Gist Farquhar

319 Isolation of Microtubule Coils From Platelets After Exposure to Aggregating Agents
James G. White, Marlys Krumwiede, Steven M. Burris, and Beatrice Heagan

327 Obliterative Segmental Sclerosis of Pancreatic Islets: A Possible Consequence of Hypotensive Shock in Young BB Rats
T. A. Seemayer, J.-F. Yale, J.-P. de Chadarévian, M. Grose, and E. B. Marliss

332 The *In Situ* Cellular Immune Response in Acute Herpes Simplex Encephalitis
Raymond A. Sobel, A. Bernard Collins, Robert B. Colvin, and Atul K. Bhan

339 Lipid Metabolism in Xanthomatous Skin of Hypercholesterolemic Rabbits
Mark L. Armstrong, Satya N. Mathur, Gloria N. Sando, and Marjorie B. Megan

349 Response of Pulmonary Macrophages to Hyperoxic Pulmonary Injury: Acquisition of Surface Fibronectin and Fibrin/ogen and Enhanced Expression of a Fibronectin Receptor
Richard L. Kradin, Yuan Zhu, Charles A. Hales, Celso Bianco, and Robert B. Colvin

358 Proliferation of the Surface-Connected Intracytoplasmic Membranous Network in Skeletal Muscle Disease
Nadia N. Malouf and Paul E. Wilson

369 Enhancement of Human Polymorphonuclear Leukocyte Adherence to Plastic and Endothelium by Phorbol Myristate Acetate (PMA) in Comparison With Human C5a
Robert O. Webster, Robert B. Wysolmerski, and David Lagunoff

379 A Structural Analysis of Gap and Tight Junctions in the Rat Liver During a Dietary Treatment That Induces Oval Cell Proliferation
Lucy H. Spelman, Nancy L. Thompson, Nelson Fausto, and Kenneth R. Miller

393 Glomerular Basement Membrane Anionic Charge Site Changes Early in Aminonucleoside Nephrosis
John D. Mahan, Susan Sisson-Ross, and Robert L. Vernier

402 Intimal Cells and Atherosclerosis: Relationship Between the Number of Intimal Cells and Major Manifestations of Atherosclerosis in the Human Aorta
A. N. Orekhov, E. R. Andreeva, A. V. Krushinsky, I. D. Novikov, V. V. Tertov, G. V. Nestaiko, Kh. A. Khashimov, V. S. Repin, and V. N. Smirnov

416 **Animal Model of Human Disease:** Spontaneous Diabetes Mellitus-Islet Amyloid Complex in Adult Cats
Kenneth H. Johnson, David W. Hayden, Timothy D. O'Brien, and Per Westermark

December 1986

421 **Rapid Communication:** Tumor Necrosis Factor Production by Human Sarcoid Alveolar Macrophages
Peter R. Bachwich, Joseph P. Lynch III, James Larrick, Mary Spengler, and Steven L. Kunkel

426 **Rapid Communication:** Extensive Deposition of Eosinophil Peroxidase in Hodgkin's and Non-Hodgkin's Lymphomas
Michael K. Samoszuk, Bharat N. Nathwani, and Robert J. Lukes

431 **Rapid Communication:** The AMeX Method: A Simplified Technique of Tissue Processing and Paraffin Embedding With Improved Preservation of Antigens for Immunostaining
Yuichi Sato, Kiyoshi Mukai, Shaw Watanabe, Masahiro Goto, and Yukio Shimosato

436 **Rapid Communication:** HTLV-III Expression in Infected Lymph Nodes and Relevance to Pathogenesis of Lymphadenopathy
Peter Biberfeld, Karen J. Chayt, Lisa M. Marselle, Gunnel Biberfeld, Robert C. Gallo, and Mary E. Harper

443 Estrogen Receptor Analysis on Biopsies and Fine-Needle Aspirates From Human Breast Carcinoma: Correlation of Biochemical and Immunohistochemical Methods Using Monoclonal Antireceptor Antibodies
A. Reiner, J. Spona, G. Reiner, M. Schemper, R. Kolb, W. Kwasny, R. Függer, R. Jakesz, and J. H. Holzner

450 Morphology and Cell Kinetics of Fatty Streak Lesion Formation in the Hypercholesterolemic Rabbit
Louise N. Walker, Michael A. Reidy, and David E. Bowyer

460 Amyloid P Component Is Not Present in the Glomerular Basement Membrane in Alport-Type Hereditary Nephritis
Tyrone Melvin, Youngki Kim, and Alfred F. Michael

465 Distribution of Intermediate Filament Proteins in Normal and Diseased Human Glomeruli
Ivan Stamenkovic, Omar Skalli, and Giulio Gabbiani

476 Response of the Border Zone to Myocardial Infarction in Rats
Giorgio Olivetti, Roberto Ricci, Cesare Beghi, Giancarlo Guideri, and Piero Anversa

484 Gossypol-Induced Damage to Mitochondria of Transformed Sertoli Cells
John M. Robinson, Nongnuj Tanphaichitr, and Anthony R. Bellvé

493 Glomerular Endothelial Cells Secrete a Heparinlike Inhibitor and a Peptide Stimulator of Mesangial Cell Proliferation
John J. Castellot, Jr., Richard L. Hoover, and Morris J. Karnovsky

501 Bacteria Associated With Obstructive Pulmonary Disease Elaborate Extracellular Products That Stimulate Mucin Secretion by Explants of Guinea Pig Airways
Kenneth B. Adler, Daniel D. Hendley, and Gerald S. Davis

515 Detection of Urothelial Lewis Antigens With Monoclonal Antibodies
Catherine Limas

524 Multiple Peroxisomal Enzymatic Deficiency Disorders: A Comparative Biochemical and Morphologic Study of Zellweger Cerebrohepatorenal Syndrome and Neonatal Adrenoleukodystrophy
Joseph Vamecq, Jean-Pierre Draye, François Van Hoof, Jean-Paul Misson, Philippe Evrard, Gaston Verellen, Hendrik J. Eyssen, Johan Van Eldere, Ruud B. H. Schutgens, Ronald J. A. Wanders, Frank Roels, and Sidney L. Goldfischer

536 Samoyed Hereditary Glomerulopathy (SHG): Evolution of Splitting of Glomerular Capillary Basement Membranes
Barbara Jansen, Paul Thorner, Reuben Baumal, Victor Valli, M. Grant Maxie, and Amreek Singh

546 Aproliferin—A Human Plasma Protein That Induces the Irreversible Loss of Proliferative Potential Associated With Terminal Differentiation
Marjorie L. Wier and Robert E. Scott

555 Renal Tubular Immune Complex Formation in Mice Immunized With Tamm–Horsfall Protein
Anders Fasth, John R. Hoyer, and Marcel W. Seiler

563 Influence of Minor Thermal Injury on Expression of Complement Receptor CR3 on Human Neutrophils
Robert D. Nelson, Sharon R. Hasslen, David H. Ahrenholz, Erhard Haus, and Lynn D. Solem

571 Secretory Immune Responses in Human Kidneys
Carlos R. Abramowsky and Gary L. Swinehart

578 Antigen-Specific Suppressor T Cells Prevent Cardiac Injury in Balb/c Mice Infected With a Nonmyocarditic Variant of Coxsackievirus Group B, Type 3
M. Estrin, C. Smith, and S. Huber

585 Taurine Protects Hamster Bronchioles From Acute NO_2-Induced Alterations: A Histologic, Ultrastructural, and Freeze-Fracture Study
Ronald E. Gordon, Abraham A. Shaked, and Dario F. Solano

601 Regional Heterogeneity of Glycoconjugate Distribution in the Glomerulus Revealed by Lectin–Gold Cytochemistry and SDS–PAGE
D. Brown, J.-D. Vassalli, A. Kunz, J. Mulhauser, and L. Orci

611 Sequential Changes of Extracellular Matrix and Proliferation of Ito Cells With Enhanced Expression of Desmin and Actin in Focal Hepatic Injury
Katsuhiro Ogawa, Jun-Ichi Suzuki, Hiroya Mukai, and Michio Mori

620 Effect of Prenatal Iron Deficiency on Myelination in Rat Pups
Gloria S. M. Yu, T. M. Steinkirchner, G. Ananda Rao, and Edward C. Larkin

625 **Animal Model of Human Disease:** Adenocarcinoma of the Rete Testis: Diethylstilbestrol-Induced Lesions of the Mouse Rete Testis
Retha R. Newbold, Bill C. Bullock, and John A. McLachlan

629 Index of Subjects

633 Index of Authors